

L 28723-65

ACCESSION NR: AP5004344

of the rare-earth oxide introduced into the garnet. With decreasing ion of the rare-earth element, there is an increased tendency to the growth of crystals with faces {211}. The faceting of garnets with mixed composition proceeds in accordance with the laws determined by the summary action of the isomorphous components. On going from the first to the last member of the lanthanide series, the garnets undergo a transition from the rhombo-dodecahedral to tetragon-tetrahedral form. The formation of iron and aluminum garnets in the form of regular tetragon-trioctahedra is observed only when sufficiently pure initial components, with a minimum content of isomorphic admixtures, are used. Orig. art. has: 1 table.

ASSOCIATION: Institut kristallografii AN SSSR (Institute of Crystallography AN SSSR)

SUBMITTED: 28Jul64

ENCL: 00

SUB CODE: SS

NR REF SOV: 006

OTHER: 002

Cord 2/2

LEBEDEVA, V. (Riga)

Constructional damping in friction clutches under cyclic loading.
Vestis Latv ak no.11:37-45 '59. (EEAI 9:11)

1. Akademiya nauk Latviyskoy SSR, Institut mashinovedeniya.
(Clutches (Machinery))

LEBEDEVA, V.A., laborant; SOKOLOVSKAYA, I.I., doktor biologicheskikh nauk, professor; DROZDOVA, L.P., kandidat biologicheskikh nauk; GOLYSHEVA, M.G., kandidat biologicheskikh nauk; KOROTKOV, A.I., kandidat biologicheskikh nauk; MAKSIMOV, Yu.L., zootekhnik.

Importance of antibiotics, sulfa drugs and vitamins in preserving semen. Izv. TSKhA no.2:193-214 '56. (MLRA 9:12)

(Semen) (Antibiotics) (Vitamins)

Lebedeva, U.H.

3

USSR / General Biology, Individual Development.

3

Abs Jour : Ref Zhur - Biol., No 19, 1953, No 35573
 Authors : Sokolovskiy, I. I.; Drozdova, L. P.; Golyubova,
 U. G.; Kuznetsov, A. I.; Likhachev, N. V.
 Inst : VNIIVS, Leningrad
 Title : Improvement of medium for sperm of fish animals.
 Orig Pub : Dokl. VASKhNIL, 1956, No. 7, 17-24

Abstract : Addition to media for sperm of 200-1,000 units
 of potassium salt of penicillin, 200 units
 streptomycin chloride, 1 mg white streptococci,
 and combination of these substances or 2.5% gly-
 cerin to 1 ml of bull's or ram's sperm inhibits
 the growth of saprophytic microflora, while at
 the same time preserving sperm mobility and
 their impregnation capacity when samples are

Card 1/2

USSR / General Biology, Individual Development.

3

Abs Jour : Ref Zhur - Biol., No 19, 1953, No 35573

stored at 0°, thus lengthening the possible sto-
 rage period. Glycerin also increases the effect
 of refrigeration. 500-1000 / thimino or 4-50 /
 combinations in similar circumstances also lengthen
 the storage period, while thimino, in addition,
 increases the bacteriostatic action of the an-
 tibiotic. The bacteriostatic action of the an-
 tibiotic media is being of one/active bacteriostatic
 over 2 years, makes thimino permits their use for
 therefore becomes substantially profitable. For-
 mulations for bacteriostatic media are given for
 which proved justifiable in scientific-productive
 experiments. -- A. G. Andreev.

Card 2/2

13

KOLYASEV, F.Ye.; LEBEDEVA, V.A.

Condensation of water vapor with relation to the physical
condition of the soil. Sbor.trud.po agron.fiz. no.6:197-207
'53.

(Soil moisture) (Condensation)

(MIRA 11:7)

LEBEDEVA, V.A.

AUTHOR

LEFESHINSKAYA, V.N., LEBEDEVA, V.A.

57-6-14/36

TITLE

On the Work Function of Activated CuAlMg and CuAlBe Alloys
(O rabote vykhoda aktivirovannykh splavov CuAlMg i CuAlBe. Russian)
Zhurnal Tekhn. Fiz. 1957, Vol 27, Nr 6, pp 1240 - 1247 (U.S.S.R.)

PERIODICAL

ABSTRACT

The modification of the work function of both alloys was carried out in various stages of their activation and compared with the values obtained for the coefficient of the secondary electron emission. The modification of the work function $\Delta\phi$ during activation of the alloy was measured by means of the voltampere characteristic shifting method. The observed parallel-shifting of the curves determined the modification of the potential drop at the contacts between the cathode of the target to be investigated. Tantalum was used as a calibrated target. A low voltage electron gun served as a monokinetic electron source. Measurements resulted in an important decrease of the work function after activating of the CuAlMg alloy, on which occasion the samples to be investigated may be divided into two groups: with max. $\Delta\phi = 2.2$ eV and $\Delta\phi = 1.1 - 1.3$ eV. In the case of the CuAlBe alloy $\Delta\phi$ is low and the absolute value of ϕ is near that of ϕ for tantalum. The experiment was undertaken here to connect the here observed modification of the work function with the conditions of the activation process. (With 8 illustrations, 2 tables, and 3 Slavic references).

Card 1/2

57-6-14/36

On the Work Function of Activated CuAlMg and CuAlBe Alloys

ASSOCIATION
PRESENTED BY
SUBMITTED
AVAILABLE

LPI

29.12.1956
Library of Congress

Card 2/2

1. LEHEDEVA, V. A.
2. USSR 600
4. Moths
7. Tiger moth and its control, Sov. agron, 11, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

LEBEDEVA, V. A.

LEBEDEVA, V. A. -- "The 'pestraya medveditsa' (Arctiide butterfly?) and the Struggle Against It under Conditions Obtaining in Astrakhan' Oblast." Saratov State U imeni N. G. Chernyshevskiy. Astrakhan', 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

KNUNYANTS, I.L., glav. red.; BAKHAROVSKIY, G.Ya., zam. glav. red.;
 BUSEV, A.I., red.; VARSHAVSKIY, Ya.M., red.; GEL'PERIN,
 N.I., red.; DOLIN, P.I., red.; KIREYEV, V.A., red.; MEYERSON,
 G.A., red.; MURIN, A.N., red.; POGODIN, S.A., red.; REBINDER,
 P.A., red.; SLONIMSKIY, G.S., red.; STEPANENKO, B.N., red.;
 EPSHTEYN, D.A., red.; VASKEVICH, D.N., nauchnyy red.; GALLE,
 R.R., nauchnyy red.; GARKOVENKO, R.V., nauchnyy red.; GODIN,
 Z.I., nauchnyy red.; MOSTOVENKO, N.P., nauchnyy red.;
 LEBEDEVA, V.A., mladshiy red.; TRUKHANOVA, M.Ye., mladshiy
 red.; FILIPPOVA, K.V., mladshiy red.; ZHAROVA, Ye.I., red.;
 KULIDZHANOVA, I.D., tekhn. red.

[Concise chemical encyclopedia] Kratkaia khimicheskaiia entsiklo-
 pediia. Red. koll.: I.L.Knuniants i dr. Moskva, Gos. nauchn.
 izd-vo "Sovetskaia entsiklopediia." Vol.1. A - E. 1961.
 1262 columns. (MIRA 15:2)

(Chemistry--Dictionaries)

LEBEDEVA, V. A., kand. biolog. nauk; YERSHOVA, A. V., nauchnyy
sotrudnik

Some experiments with broomrape. Zashch. rast. ot vred. i bol. 6
no.6:24-25 Je '61. (MIRA 16:4)

1. Astrakhanskaya sel'skokhozyaystvennaya opytnaya stantsiya.

(Astrakhan Province--Broomrape)
(Astrakhan Province--Weed control)

LEBEDEVA, Veronika Anatol'yevna; LANDAU-TYLKINA, S.P., redaktor;
BEL'CHIKOVA, Yu.S., tekhnicheskii redaktor

[Pedagogical work with children in osteotubercular sanatoriums]
Pedagogicheskaya rabota v detskikh kostnotuberkuleznykh sanatoriakh.
Moskva, Gos. izd-vo med. lit-ry, 1956. 98 p. (MLRA 9:7)
(BONES--TUBERCULOSIS) (HOSPITAL SCHOOLS)

LEBKDEVA, V.A., aspirantka

Diagnosis of visceral leishaniasis; form materials of the pediatric section of the Kzyl-Orda Province Hospital. Zdrav.Kazakh. 16 no.12: 9-13 '56. (MLRA 10:2)

1. Iz kafedry gosital'noy pediatrii (zaveduyushchiy kafedroy - doktor meditsinskikh nauk A.I.Avenirova) Kazakhskogo gosudarstvennogo meditsinskogo instituta im. V.M.Molotova.
(LEISHMANIASIS)

LEBEDEVA, V.A. Cand Med Sci (diss) "Concerning^{the} clinic, diagnostics,
and therapy in cases of internal leishmaniasis in children."

Alma-Ata, 1957 15 pp 20 cm. (Kazakh~~stan~~ State Med Inst im

V.M. Molotov) 100 copies

(KL, 11-57, 100)

RAU, Yelena Fedorovna; LEBEDEVA, V.A., red.; BUL'YAEV, N.A., tekhn.red.

[Stammering in preschool children] O zaikanii detei doshkol'nogo
vozrasta. Moskva, Gos. izd-vo med. lit-ry, 1958. 24 p.
(STAMMERING) (MIRA 12:1)

DMITRIYEVA, Nina Mikhaylovna; LEBEDEVA, Veronika Anatol'yevna

[Children's sanatoriums] Detskii sanatorii. Moskva, Madgiz,
1958. 203 p. (MIRA 12:3)
(CHILDREN--HOSPITALS)

LEBEDEVA, V.A., kand.med.nauk

Asymptomatic infectious lymphocytosis. Zdrav. Kazakh. 21 no.5:58-60
'61. - (MLA 15:2)

1. Iz kafedry gosspital'noy pediatrii (zav. - prof. A.I.Avenirova)
Kazakhskogo meditsinskogo instituta.
(LYMPHOCYTOSIS)

LEBEDEVA, V.A., dotsent

Various forms of hemolytic anemia in children. Zdrav. kazakh.
22 no.1:42-46 '62. (MIRA 15:3)

1. Iz kafedry gosptal'noy pediatrii (zav. - professor
A.I. Avenirova) Kazakhskogo meditsinskogo instituta.
(ANEMIA)

LEBEDEVA, V.A.; YAROSHEVSKIY, A.Ya.

Investigation of biologic activity of the blood in hypertension.
Klin. med., Moskva 29 no.11:57-62 Nov 1951. (CLML 21:2)

1. Candidate Biological Sciences Lebedeva; Candidate Medical Sciences Yaroshevskiy. 2. Of the Laboratory of the Physiology of Receptors (Head -- V. N. Chernigovskiy, Corresponding Member AMS USSR), Institute of the Physiology of the Central Nervous System (Director -- Academician K.M. Bykov), Leningrad.

LEBEDEVA, V.A.; CHERNIGOVSKIY, V.N., professor, deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR, zaveduyushchiy; BYKOV, K.M., akademik, direktor.

Gradients of interoception of the gastro-intestinal tract. Vop.fiziol.int.
no.1:273-304 '52. (MLRA 6:8)

1. Laboratoriya fiziologii retseptorov Instituta fiziologii im. I.P.Pavlova Akademii nauk SSSR (for Chernigovskiy). 2. Institut fiziologii im. I.P.Pavlova Akademii nauk SSSR (for Bykov). 3. Akademiya meditsinskikh nauk SSSR (for Chernigovskiy). (Nervous system) (Stomach) (Intestines)

LEBEDEVA, V.A.; KHAYUTIN, V.M.; CHERNIGOVSKIY, V.N., professor, deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR, zaveduyushchiy; BYKOV, K.M., akademik, direktor.

Reflexes from the chemoreceptors of the bladder. Vop.fiziol.int. no.1:305-310 '52. (MLRA 6:8)

1. Laboratoriya fiziologii retseptorov Instituta fiziologii im. I.P.Pavlova Akademii nauk SSSR (for Chernigovskiy). 2. Institut fiziologii im. I.P. Pavlova Akademii nauk SSSR (for Bykov). 3. Akademiya meditsinskikh nauk SSSR (for Chernogovskiy). (Bladder) (Reflexes)

LEBEDEVA, V. A.

U S S R .

The mechanism of chemoreceptivity. VI. Changes in the reactivity of intestinal chemoreceptors in metabolic states disturbed by moniodoacetic acid. V. A. Lebedeva (I. P. Pavlov Inst. Physiol., Acad. Sci. U.S.S.R., Leningrad). *Byull. Ekspil. Biol. i Med.* 38, No. 11, 19-27 (1954); cf. *ibid.* 1951, No. 3, 153.—A study was made of the reflex reactions of the circulatory and respiratory systems to stimuli emanating from the intestinal chemoreceptors, prior to and following the administration of $\text{CH}_3\text{ICO}_2\text{H}$. Ringer-Lock soln. satd. with CO_2 to pH 4.9-5.1, nicotine, KCl in 0.1%-1.0% soln., and Na_2CO_3 in 0.2%-1.5% solus. were used as the stimulating agents. As a preliminary response to the disturbing influences on the metabolic processes there is a state of heightened reactivity of the chemosensitive intestinal receptors. This, in turn, exerts an effect upon the functional state of the central app. regulating the circulatory system.

B. S. Levins.

USSR/Medicine-Pathophysiology

Card 1/2 Pub 17-6/21

FD-2423

Author : Lebedeva, V. A.

Title : On the characterization of vascular reflexes of chemoreceptors of the intestines in experimental intestinal obstruction

Periodical : Byul. eksp biol. i med. 39, 22-27, Jan 1955

Abstract : It has been determined that disturbances of metabolic processes are due to the action of certain thiotic toxins accompanied by changes in the functional conditions of the sensory nerve endings. Disturbance of the metabolism leads first to increased irritation of the receptors followed by strengthened reflexes as a defense against irritation, and, second to a depressor phase, a lowering of the threshold of chemical irritation. A deeper shift in metabolism results from depression of the receptor activity and lowering or complete cessation of reflexes. Authors studied non-conditioned interoceptor reflexes due to artificial intestinal obstructions created in cats. Innervation remained untouched. The cats received decreasing threshold doses of nicotine which resulted in pressor-depressor

Card 2/2

FD-2423

reflexes. Authors concluded that disturbance of the receptor function of the intestines may be used as indicator of intestinal obstructions. 11 references, 11 USSR. 11 since 1940. Tables and graphs.

Institution: Laboratory of the Physiology of Receptors, (Head, Acting Member Academy Medical Sciences USSR V. N. Chernigov) Institute of Physiology imeni I. P. Pavlov, (Director Academician K. M. Bykov) Academy Sciences USSR, Leningrad.

Submitted : January 25, 1954

LEBEDEVA, V.A.
LEBEDEVA, V.A.

Data on the mechanism of the action of hexenal. Part 1: Effect of hexenal on intestinal interoceptors [with summary in English].
Biul. eksp.biol. i med. 43 no.6:35-39 Je '57. (MIRA 10:10)

1. Iz laboratorii patofiziologii (zav. - prof. V.S.Galkin) Instituta fiziologii (dir. - akademik K.M.Bykov) AN SSSR, Leningrad. Predstavlena akademikom K.M.Bykovym.

(BARBITURATES, effects,

hexobarbital on blood pressure & resp. changes after perfusion of isolated intestine (Rus))

(BLOOD PRESSURE, physiology,

eff. hexobarbital on reflex responses to perfusion of isolated intestine (Rus))

(RESPIRATION, physiology, same)

(INTESTINES, physiology,

eff. of perfusion of isolated loop on blood pressure & resp. after admin. of hexobarbital (Rus))

LEBEDEVA, V.A.

Material on the mode of action of hexenal. Report No.2: Effect of the action of hexenal on intestinal interoceptors on reflex inhibition of cortical motor affect and spontaneous motor activity [with summary in English]. Biul.eksp.biol. i med. 45 no.2:71-77 F '58. (MIRA 11:5)

1. Iz laboratorii patofiziologii (zav. - prof. V.S. Galkin [deceased]) Instituta fiziologii imeni I.P. Pavlova (dir. - akademik K.M. Bykov) AN SSSR. Predstavlena akademikom K.M. Bykovym.
 - (BARBITURATES, effects, hexobarbital, on intestinal interoceptors, cortical motor & spontaneous motor reactivity in animals (Rus))
 - (INTESTINES, effects of drugs on, hexobarbital, cortical motor & spontaneous motor reactivity in animals (Rus))
 - (CEREBRAL CORTEX, physiology, cortical motor inhib. reactions to eff. of hexobarbital on intestinal interoceptors (Rus))
 - (MOVEMENT, physiology, cortical motor & spontaneous motor reaction to eff. of hexobarbital on the intestinal interoceptors (Rus))

GANELINA, I.Ye.; ZIMOVAYA, N.G.; IL'INSKIY, O.B.; LEBEDEVA, V.A.;
MARTYNYUK, V.K.; MERKULOVA, O.S.; MUSYASHCHIKOVA, S.S.;
MYAGKAYA, I.P.; OSADCHIY, L.I.; POPOVA, T.V.; ~~SEKREBENNIKOV~~, I.S.;
TYUTRYUMOVA, Z.I.; CHERNICHENKO, V.A.; YAROSHEVSKIY, A.Ya.

Interceptive component in the development of certain pathological
states. Trudy Inst.fiziol. 8:240-253 '59. (MIRA 13:5)

1. Laboratoriya patologicheskoy fiziologii (zaveduyushchiy - V.S.
Galkin [deceased]) Instituta fiziologii im. I.P. Pavlova AN SSSR.
(SENSES AND SENSATION) (PATHOLOGY)

DZIDZIGURI, T.D.; LEBEDEVA, V.A.

Effect of potassium and calcium on interoceptors of the small intestine. Dokl. AN SSSR 139 no.1:238-241 J1 '61. (MIRA 14:7)

1. Institut fiziologii im. I.P. Pavlova AN SSSR. Predstavleno akademikom V.N. Chernigovskim.
(INTESTINES--INNERVATION) (POTASSIUM--PHYSIOLOGICAL EFFECT)
(CALCIUM--PHYSIOLOGICAL EFFECT)

IL'INSKIY, O.B.; LEBEDEVA, V.A.

Changes in the blood pressure and afferent impulses in the intestinal nerves following the action of solutions without and with increased potassium content on the intestinal receptors. Fiziol. zh. SSSR Sechenov 49 no.6:751-759 '63
(MIRA 17:1)

1. From the Laboratory of General Physiology, Pavlov Institute of Physiology, Leningrad.

LEBEDEVA, V.A.

Effect of calcium ion deficiency on the interoceptors of the
small intestine. Dokl. AN SSSR 152 no.2:497-500 S '63.
(MIRA 16:11)

1. Institut fiziologii im. I.P. Pavlova AN SSSR. Predstavleno
akademikom V.N. Chernigovskim.

*

LEBEDEVA, Valeriya Aleksandrovna; CHERNIGOVSKIY, V.N., akademik,
otv. red.

[Mechanisms of chemoreception] Mekhanizmy khemoretseptsii.
Moskva, Nauka, 1965. 152 p. (MIRA 19:1)

AMIANTOVA, M.A.; LEBEDEV, V.B.

Paragonimosis of lungs. Probl. tub. 34 no.1:53-54 Ja-F '56

(MLRA 9:5)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo tuberkuleznogo
instituta (nauchnyy rukovoditel'-prof. V.L. Kynis)

(PARAGONIMUS, infect.

lungs)

(LUNGS, dis.

Paragonimus infect)

PETROV, A.A.; LEBEDEV, V.B.; SAVICH, I.G.

Hydrogen bond between molecules of acetylenic aldehydes
and ketones. Zhur.ob.khim. 32 no.2:658-659 F '62. (MIRA 15:2)

1. Leningradskiy tekhnologicheskii institut imeni Lensoveta.
(Acetylene compounds—Spectra)
(Hydrogen bonding)

ACC NR: AT6036414

SOURCE CODE: UR/2536/66/000/066/0053/0062

AUTHOR: Vishnyakov, D. Ya. (Doctor of technical sciences, Professor); Kolachev, B. A. (Candidate of technical sciences); Lyasotskaya, V. S. (Engineer); Lebedeva, V. D. (Engineer)

ORG: none

TITLE: Isothermal transformations in alloys of titanium with chromium

SOURCE: Moscow. Aviatsionnyy tekhnologicheskii institut. Trudy, no. 66, 1966. Struktura i svoystva aviatsionnykh staley i splavov (Structure and properties of aircraft steels and alloys), 53-62

TOPIC TAGS: titanium base alloy, chromium, isothermal transformation, phase diagram

ABSTRACT: The literature on this subject so far provides no information on isothermal transformations in alloys of the Ti-Cr system with hypo- and hypereutectoid compositions. To fill this gap, the authors constructed isothermal transformation diagrams (ITD) in alloys of Ti with 6 and 11% Cr (hypoeutectoid), 15% Cr (eutectoid) and 20% Cr (hypereutectoid) according to the change in hardness with isothermal treatment as well as according to the results of metallographic, radiographic and dilatometric analyses. Isothermal treatment at 600°C was

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UDC: 669.017:669.295'26

ACC NR: AT6036414

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accomplished by rapidly cooling the specimens from a high temperature to the temperature of treatment, and at 550°C and below, after quenching. In both cases the isothermal treatment at > 300°C was performed in lead baths, and at 300-100°C, in baths of Wood's alloy. Findings: the hypoeutectoid and hypereutectoid alloys display two minima of β -phase stability: the low-temperature minimum, associated with the formation of the ω -phase, and the high-temperature minimum, conditioned by the hypoeutectoid segregation of the α -phase or TiCr_2 . Increasing the Cr content above 6% complicates the segregation of the ω -phase and shifts to the right and downward the lines of the commencement of this segregation. The rate of formation of hypoeutectoid segregations is the slower the closer the alloy's composition to the eutectoid point is. At low temperatures the β -phase decomposes nonuniformly; this is due not so much to the chemical heterogeneity of grains as to the heterogeneity of substructure, arising on rapid cooling of specimens or during the subsequent isothermal treatment. This substructure forms as a result of thermal stresses and the subsequent redistribution of dislocations. Orig. art. has: 10 figures.

SUB CODE: E, 11, 20/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 006

Card 2/2

TURUBINER, A.L.; GURSKIY, G.L.; SAVIN, A.I.; TEREKHOV, A.I.; GUSEV, V F.;
LEBEDEVA, V.F.

Influence of thermal conditions on the self-carburation and radiation
of the natural gas flame. Stal' 24 no.11:985-989 N '64.

(MIRA 18:1)

TOPOLYANSKAYA, S.I.; PUKHONAREVICH, A.F.; BELOVA, N.D.; GRINBERG, TS.B.;
LEV, M.S.; LEBEDEV, V.G.; ROGINSKAYA, N.S.

Effectiveness of pertussis vaccinations. Zhur. mikrobiol., epid.
i immun. 40 no.9:18-22 S'63. (MIRA 17:5)

1. Iz Sanitarno-epidemiologicheskoy stantsii Kalinskogo rayona
Moskvy..

LEBEDOVA, V.G., USHATOV, N.A.

File-chemical cleaning of cartridge. Lit. review. results:
25.3% N '64. (MMA 18 3)

DEFEAT. V.G., 2nd. 1944.

Some problems in the study of materials; scientific session in Moscow.
Vest. AN SSSR 35 no. 7:87-89 1965.

(MIRA 18:8)

LEBEDEVA, V.I.

Growth and development of clover under short-day conditions.
Nauch.dokl.vys.shkoly;biol.nauki no.4:169-173 '58.

(MIRA 11:12)

1. Rekomendovana kafedroy darvinizma Moskovskogo gosudarstvennogo
universiteta imeni M.V.Lomonosova.
(Clover) (Photoperiodism)

LEBEDEVA, V.I.

Genesis of vegetative and generative organs in red clover. Vest.Mosk.un.
Ser.biol., pochv., geol., geog. 13 no.3:73-78 ' 58.(MIRA 12:1)

1. Kafedra darvinizma Moskovskogo gos. universiteta.
(Clover)

MARTYNYUK, A.K., inzhener; MUSATOV, T.P., inzhener; GRUDINSKIY, P.G.; LEBEDEVA, V.I.

Electric circuit scheme in the form of a "rectangle." Elek.sta. 24 no.11:43-
46 H '53. (MLRA 6:11)

(Electric circuits)

LEBEDEVA, V.I.

VAYNSHTEYN, B.Z., inzhener; GOL'TSMAN, V.G., inzhener; DENKEVITS, E.G.,
inzhener; TSYKHANSKIY, Yu. L., inzhener; LEBEDEVA, V.I., inzhener.

Replies to N.F. Burzhinskii's article "Articles from protection
against electric current." Energetik 4 no.11:11-15 N '56.

(MLRA 9:12)

(Clothing, Protective) (Electric engineering--Safety appliances)

LEBEDEVA, V.I., inzhener.;TIMOFEYENKO, A.A., inzhener.

Testing interturn insulation of high-voltage electric motors.
Elek. sta. 27 no.10:54-55 0 '56. (MLRA 9:12)
(Electric insulators and insulation--Testing)

LEBEDEVA V.I.
GOLUBTSOV, B.L., inzh.; LEBEDEVA, V.I., inzh.

Inspection of electric contacts. Elek. sta. 29 no.2:93-94 7 '58.
(Electric engineering) (MIRA 1173)

Lebedev, V.I.

PLANE I BOOK EXPLORATION 307/3927	
Akademika nauk Latvyskoy SSR. Institut mashinovedeniya	
Voprosy dinamiki i prochnosti: sbornik statey tip. VI (Problems of Dynamics and Strength: Collection of Articles, No. 6) Riga, Izd-vo AN Latvyskoy SSR, 1959. 159 p. Errata slip inserted. 1,500 copies printed.	
Ed.: A. Vengerovskiy; Tech. Ed.: A. Klyavitskiy; Editorial Board: Ya.G. Ponomarev, Corresponding Member of the Academy of Sciences Latvyskoy SSR, Professor, Doctor of Technical Sciences (1949, Ed. 1); S.M. Klyavitskiy, Doctor, Candidate of Technical Sciences; and N.G. Kalinin, Doctor, Candidate of Technical Sciences.	
PURPOSE: This book is intended for mechanical engineers and technical workers.	
COVERAGE: The book presents 10 articles on problems related to shock absorbers, railroad cars, thin shelled bars, crane structures, automatic balancing, oscillations, and the performance of mechanical presses. The authors are technical or scientific workers at the Institut mashinovedeniya Akademii nauk Latvyskoy SSR (Institute of Science of Machines of the Academy of Sciences Latvyskoy SSR), at the Ritshtsdy politehnicheskoy institut (Riga Polytechnic Institute), and at the Ritshtsdyo konstruktivnoy vyssheymu aviasionnoy tekhnicheskoy univertsitetu (Riga Higher Aviation School of Engineering and Aviation School of Engineering). The names of the authors are mentioned. References are given following each article except one.	
TABLE OF CONTENTS:	
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8 (6)

SOV/91-59-11-9/27

AUTHOR: Lebedeva, V.I., Engineer

TITLE: Methods of Turbogenerator Repair

PERIODICAL: Energetik, 1959, Nr 11, pp 15-16 (USSR)

ABSTRACT: The author describes two repairs on T-2-25-2 turbogenerators. During a routine overhaul in 1958, a T-2-25-2 turbogenerator showed a considerably higher current leak in one phase. This generator had been in operation since 1942. The cause of the leak was detected when the generator bar windings were unsoldered and tested individually. The bar winding which was responsible for the current leak was punctured after 25 minutes of applying a 10.5 kv test voltage. Inspection revealed that the binding varnish was dried up. The damaged section was cut and a new one was soldered to the remaining bar winding by PSR-40 solder. The bar winding and the entire generator winding were tested once more after the repair. The generator is again in operation at full capacity since February

Card 1/2

SOV/91-59-11-9/27

Methods of Turbogenerator Repair

1958 without giving reason for any complaint. In October 1958, another T-2-25-2 turbogenerator (10.5 kv, produced by the "Elektrosila" plant) was damaged. The generator was in operation since 1939 and was rarely overloaded. The stator winding had caught fire and the generator was switched off by the ground protector. The fire was extinguished and the generator was inspected. The insulation had been damaged in many sections and the conductors to one phase were destroyed. The author describes the restoration briefly. Within 15 hours and 30 minutes the generator was repaired without removing the rotor. The generator was operated for two weeks and was checked again by a test voltage 1.7 times higher than the nominal one. The stator winding sustained all tests, including the 26 kv dc test.

Card 2/2

PHASE I BOOK EXPLOITATION

SOV/5501

Kalinin, Nikolay Georgiyevich, Yuriy Alekseyevich Lebedev, Volga Ivanovna
Lebedeva, Yakov Gilelevich Panovko, and German Ivanovich Strakhov

Konstruktsionnoye dempfirovaniye v nepodvizhnykh soedineniyakh (Structural
Damping in Stationary Joints) Riga, Izd-vo AN Latviyskoy SSR, 1960. 169 p.
Errata slip inserted. 2,000 copies printed

Sponsoring Agency: Akademiya nauk Latviyskoy SSR. Institut avtomatiki i
Mekhaniki

Ed. (Title page): Ya. G. Panovko, Corresponding Member, Academy of Sci-
ences Latvian SSR, Professor, Doctor of Technical Sciences; Ed. : A. Ven-
granovich; Tech. Ed. : Ye. Piladze.

PURPOSE: This book is intended for research scientists and engineers con-
cerned with structural mechanics.

Card 1/5

Structural Damping in (Cont.)

SOV/5501

COVERAGE: The book presents the results of research and experiments in the field of structural damping. Experimental problems are discussed only to the extent necessary to support theoretical deductions. Sections 6 and 7 were written by N. G. Kalinin; Sections 12, 14, 15, 16, by Yu. A. Lebedev; Sections 8 and 9, by V. I. Lebedeva; Introduction, Sections 1, 13, 18, and the Conclusion, by Ya. G. Panovko; Sections 2 and 3, by G. I. Strakhov; Section 17 was written jointly by N. G. Kalinin and Yu. A. Lebedev; Ya. G. Panovko and G. I. Strakhov wrote Sections 4, 5, 10, 11, 19-21. There are 42 references: 35 Soviet, 6 English, and 1 German.

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Structural Damping in (Cont.)

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SOV/5501

Structural Damping in (Cont.)

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PART II. SYSTEMS WITH ELASTIC FRICTIONAL COUPLINGS

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Card 4/5

L 23464-65 EWT(m)/EWP(j) Pc-4 RM.

ACCESSION NR: AT5003523

S/2681/64/000/011/0147/0158

AUTHOR: Lebedeva, V. I.

TITLE: Optimum damping of a two-layer cantilever bracket under arbitrary cyclic load B+1

SOURCE: AN LatSSR. Otdeleniye fizicheskikh i tekhnicheskikh nauk. Voprosy dinamiki i prochnosti, no. 11, 1964, 147-158

TOPIC TAGS: structural damping, energy dissipation, energy losses, cantilever bracket structural damping, optimum structural damping, cyclic load

ABSTRACT: A method is given for determining the optimum assembly-pressure distribution between two layers (of the same material but of different constant thickness) of a cantilever bracket subjected to an arbitrary symmetrical cyclic external loading. It is assumed that the material is perfectly elastic, the friction coefficient is constant, and the distribution of friction forces on the interface of layers is a function of pressure only. The problem is reduced to determining a friction-force distribution over the interface, such that the perform-

Card 1/2

L 23464-65

ACCESSION NR: AT5003523

ance functional of the work of friction forces will be optimized. The basic equation for determining the mutual slippage of layers is derived and boundary conditions for certain sections of the bracket are discussed. The optimum law of distribution of friction forces for efficient structural damping of vibrations is discussed. Sample problems of optimum structural damping of a two-layer bracket under combined cyclic loading are solved and expressions for the relationship between energy dissipation and dimensions of the bracket are given. Orig. art. has: 6 figures and 45 formulas. [VK]

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 001

ATD PRESS: 3174

Card 2/2

PROKOP, V.K.; KRYVA, L.M.; ISSUES-A, C.I.

Composition of the library collection. Vestnik. Vol. 2, No. 20
No. 3, 1981. (MIRA 18:5)

2. Katsina reorganizatsiya Vostochno-Moskovskogo universiteta.

LEBEDEVA, V. I., Cand Tech Sci -- "Construction ^{damping} deformation
in flanged joints of the friction ^{sleeve} coupling type." Riga,
1961. (Riga Polytech Inst) (KL, 8-61, 245)

- 260 -

KALININ, Nikolay Georgiyevich; LEBEDEV, Yuriy Alekseyevich; LEBEDEVA, Volga
Ivanovna; PANOVKO, Yakov Gilelevich, prof. doktor tekhn. nauk;
STRAKHOV, German Ivanovich; VENGRANOVICH, A., red.; PILADZE, Ye.,
tekhn. red.

[Structural damping in rigid joints] Konstruktsionnoe dempfirovanie v
nepodvizhnykh soedineniyakh. Riga, Izd-vo Akad. nauk Latviiskoi SSR,
1960. 169 p. (MIRA 14:11)

1. Chlen-korrespondent AN Latviyskoy SSR (for Panovko).
(Damping (Mechanics))

22

CR

Selecting solvents for dewaxing residual oils from Surakhany and Koschaguy crude oils. V. K. Lebedev, A. V. Donskova and E. R. Pisarevskaya. *Nefteobrab.* 847, 1948, No. 12, 31-5. Extn. with Me₂CO in a mixer with agitation gasoline acetone mixture gives yields and a chlorinated solvent in aviation gasoline gives yields of oil decreasing in that order. These solvents when applied at -30° may produce oils of pour point -2° to -20°. These oils usually have a lower viscosity index than oils of higher pour point. The quality of the oil and its yield are lowered when the contents of Me₂CO, acetone and chlorinated solvent in the extn. mixt. are above 20%. The exact nature of the chlorinated solvent is not stated. A. A. Bishubuk

ASS. SLA METALLURGICAL LITERATURE CLASSIFICATION

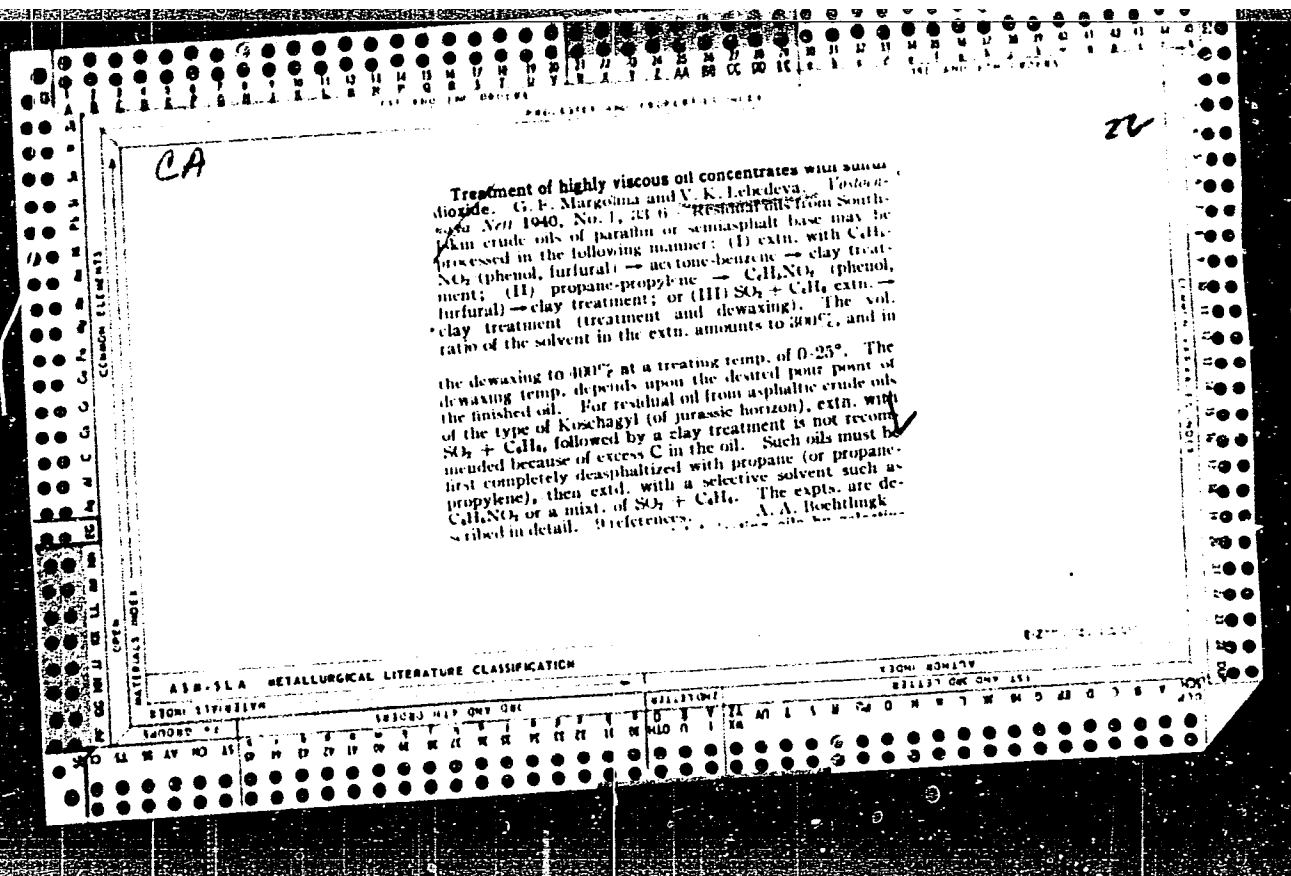
SECONDARY REF. ONLY USE

COLLECTION

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CIA-RDP86-00513R0009291100



LEEDEVA, V. K. Cand Tech Sci

Dissertation: "Investigation of the
Kinetics of Liquid Evaporation from
Elementary Capillaries and Capillary-
Porous Bodies."

20/12/50

Moscow Technological Inst of Food Industry

SO Vecheryaya Moskva
Sum 71

LEBEDÉVA, V. K.

USSR/Surface Phenomena. Adsorption. Chromatography. Ion Inter-
Change

B-13

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26369

Author : V.K. Lebedeva

Inst : Moscow Technological Institute of Food Industry

Title : Evaporation of Liquid from Communicating Capillaries and
Factor of Moisture Conductivity in Capillary-Porous Body.

Orig Pub : Tr. Mosk. tekhnol. in-ta mishch. prom-sti, 1956, vyp. 6, 57-63

Abstract : The evaporation of water from a system of two connected capillaries of different diameters representing a model of a capillary-porous body was studied. The deepening of the meniscus of the liquid takes place in the wider capillary, if the capillaries were horizontal. The thinner capillary sucks the liquid from the wider all the time and evaporates it at a non-deepening meniscus. The liquid supply to the evaporation surface proceeds with a constant speed. If the capillaries were vertical, the meniscus is dropping first only in the wider capillary and it starts to drop in the thinner capillary only then, when the convex meniscus shape turns into a concave one. The experiments with models show that the moisture moves

Card : 1/2

USSR/Surface Phenomena. Adsorption. Chromatography. Ion Inter- B-13
change.

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26369

to the surface mainly in the liquid state during the period of constant speed of drying, and that it moves in the vapor state during the period of decreasing speed in proportion to the draining of wider capillaries, the evaporation surface deepening in this case. Assuming a certain curve of the volumetric characteristic of pores in the body and admitting the applicability of the equation of Clapeyron to the vapor, the author shows that the ratio between the moisture conductivity factor χ at a temperature T and χ_0 at T_0 is determined by the equation $\chi/\chi_0 = (T_0 / \sigma_0 D_0 \rho_0) (\sigma \chi / T)$ (1), where σ , $D(n)$ and ρ are the surface tension, the diffusion factor of the vapor and the vapor density at T ; σ_0 , $D(n)_0$ and ρ_0 are the same at T_0 . The equation (1) is confirmed by experiments with drying clay. χ is rising with the temperature increasing 5.5 times between 10 and 60°.

Card : 2/2

LEBEDEVA, V.K.

Evaporation of liquids from communicating capillary tubes and the
fundamental law of moisture transfer in capillary-porous media.
Zhur.tekh.fiz. 26 no.2:1064-1069 My '56. (MLRA 9:8)
(Capillarity)

Lebedeva, V. K.

USSR/Physical Chemistry - Surface Phenomena. Adsorption. Chromatography. Ion
Exchange, B-13

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 573

Author: Lebedeva, V. K.

Institution: None

Title: Evaporation of Liquids from Communicating Capillaries and the Fundamental Law of the Movement of Moisture in Capillary-Porous Bodies

Original

Periodical: Zh. tekhn. fiziki, 1956, Vol 26, No 5, 1064-1069

Abstract: The evaporation of water from horizontal and vertical single and communicating capillaries of various diameters, representing a capillary-porous body (CPB), was investigated. It was shown experimentally that during constant-rate drying, the moisture moves toward the surface of the CPB essentially in the form of liquid, evaporation taking place at the surface; in the following period of falling-rate drying, the moisture moves toward the surface in the form of vapor, and the surface of evaporation in the CPB is lowered, but not uniformly, inasmuch

Card 1/2

USSR/Physical Chemistry - Surface Phenomena. Adsorption. Chromatography. Ion
Exchange, B-13

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 573

Abstract: as the thinner capillaries are still full of liquid, while the larger capillaries are already emptied. With the aid of a number of simplifying assumptions, an equation is presented connecting the vapor pressure over the CPB with its moisture content and permitting the formulation of the fundamental law of the movement of moisture in a CPB. The results from theoretical calculations are in agreement with experimental data and the coefficient of permeability of clay at various temperatures.

Card 2/2

LEBEDEV, V. K.
The evaporation of a liquid from communicating capillaries and the basic law of the motion of moisture in capillary-porous matter. V. K. Lebedev. *Soviet Phys. Tech. Phys.* 1, 1042-4 (1957) (Russian translation). -- See C.A., 50, 14270g. B. M. K.

LEBEDEVA, V.L., polkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk.

Late results of penetrating wounds of the thorax not complicated
by infection. Voen-med. zhur. no.2:28-32 F '56 (MLRA 10:5)
(THORAX, wounds and injuries,
bullet wds., remote results) (Rus)

LEBEDEVA, V. M.

PA 42/49T49

USSR/Medicine - Gynecology

Jan/Feb 49

Medicine - Magnesium - Ionophore, Effects

"Utilization of Magnesium-Ionophore in Gynecology,"
V. M. Lebedeva, Obstet and Gynecol Clinic, Irkutsk
Med Inst, 2 pp

"Akusher i Ginekologiya" No 1

Experiments were conducted to determine vasodilative effects of magnesium. Described methods employed on test rabbits. Actual administrations were made on 36 patients with chronic inflammatory diseases. Positive results were obtained in 32 cases, and it is expected they will not be troubled for many years.

42/49T49

LEBEDOVA, V.M., dotsent

Using the method of fractionation ultraviolet erythema in inflammatory gynecological diseases. Akush. i gin. no.4:32-34 J1-Ag '54.
(MLRA 7:11)

1. Iz kafedry akusherstva i ginekologii (zav. prof. A.M.Agaronov)
Odesskogo meditsinskogo instituta.
(GYNECOLOGICAL DISEASES, therapy,
ultraviolet rays, erythema dose)
(ULTRAVIOLET RAYS, therapeutic use,
gyn. dis., erythema dose)

CA LEBEJEVA, V.M.

Effect of additions of organic compounds on the velocity of the process of soap formation. I. Effect of additions of aromatic hydroxy compounds on the velocity of saponification of cottonseed oil with caustic potash (effect of phenol). B. A. Kashkovan and V. M. Lebedeva. *Zhur. Obshch. Khim.* (J. Gen. Chem.) 20, 253-7 (1950).--Addns. of PhOH in amts. of the order of 1 g. to 100-200 g. cottonseed oil accelerate strongly its sapon. with 51% KOH at 60°. The acceleration is particularly marked in the initial period, and the stage of slowed-down sapon. characteristic of the process without PhOH, disappears. The acceleration is due to an increase of the dispersity of the emulsion and to formation of phenolates which dissolve in the soap and promote the penetration of the oil and the alkali into the soap layer. The effect is paralleled by the beneficial effect of PhOH on the stability of the oil-KOH emulsion. The stage of slowed-down sapon. still persists with small addns. of PhOH (0.06-0.125 g.), but is smoothed out progressively with higher amts. (0.25-1.0 g.). Higher temp. (80°) counteracts the favorable effect of PhOH, lowers the velocity of sapon., and restores the stage of slowed-down sapon. II. Catalytic effect of aromatic hydroxy compounds on the velocity of the process of soap formation. *Ibid.* 20, 258-60 (1950).--Addns. of naphthol in the amt. of 0.12 g. accelerate the sapon. of cottonseed

oil by 50% KOH at 60° in the same way as PhOH, but with greater efficiency, in conformity with the greater soly. of naphtholates in the soap and their higher surface activity. In contrast thereto, hydroquinone not only does not accelerate, but inhibits the sapon. somewhat; resorcinol and pyrocatechol have a similar effect. The rates at the different stages of the process, in percentage/min., are, without

hydroquinone, at the stage of emulsion sapon. 1.1, at the stage of slowed-down sapon. 0.07, and at the stage of accelerated sapon. 0.83; with hydroquinone, 0.73, 0.13, and 0.63, resp. In general, accumulation of OH groups lowers the catalytic activity; greater mol. wt. of the hydrocarbon increases it. The catalytic activity in sapon. goes hand in hand with the surface activity; the interface tension at the boundary between the concd. alkali soln. and the oil, in the presence of equiv. amts. of naphthol, hydroquinone, and resorcinol, to 0.25, 0.18, and 0.12 dyne/cm., and in the presence of equiv. amts. of PhOH, 0.25, 0.18, and 0.12 dyne/cm., resp. III. Catalytic action of aliphatic alcohols and aldehydes on the velocity of the process of soap formation. *Ibid.* 20, 261-5 (1950). In the presence of 0.5% EtOH, and of equiv. amts. of BuOH and iso-AmOH, the interface tensions were detd. to 22.62, 8.27, and 4.96 dyne/cm., resp. Correspondingly, the rates of sapon. at the emulsion sapon. stage, are 1.84, 2.24, and 2.41%/min., resp., and at the stage of accelerated sapon., 0.18, 0.20, and 0.21%/min., resp. The intermediate stage of slowed-

down sapon, is shortened as the amt. of the alc. is increased, attaining a min. at the optimum amt. of alc. With 0.4% EtOH, the stage of slowed-down sapon is shortened from 2.5 to 1 hr.; with 1% EtOH it disappears altogether, emulsion sapon, going over directly into accelerated sapon, but it reappears again if the amt. of EtOH is raised further. Higher temp., which lowers the dispersity and the stability of the emulsion, reduces the velocity at the emulsion sapon stage, but, owing to the pos. temp. coeff. of the chem. reaction, the velocity has a max. at a certain temp. Thus, with EtOH, at the emulsion sapon stage, at 40, 60, and 80°, the velocity is 1.37, 2.07, and 0.07%/min.; at the accelerated stage, 0.10, 0.20, and 0.54%/min., resp. The accelerating effect of AcH and of HCHO is similar to that of PhOH and C₆H₅OH, with the intermediate slowed-down sapon stage suppressed altogether. At 40°, as little as 0.7% AcH has a strong catalytic effect which increases with the amt. up to an optimum at 1.4%. Higher temp. lowers the velocity at the emulsion sapon stage. The interface tension in the presence of AcH is as low as 0.1 dyne/cm. N. Thon

Electroplating of silver plate. N. I. Solomin, L. P.
Yudin, and V. M. Lichacheva. U.S.S.R. 110,449, Feb. 25,
1958. Ag plate is polished in KCN solns. using reversible
current at various c.d.s. during the cathodic and anodic pe-
riods. M. Hoch
Distr: 4E2c/4E4j

NAZAROVA, N.I.; LUYK, A.A.; YAKOVENKO, R.T.; LEBEDEVA, V.M.

Chemical and technological study of the coals of the Karakichi
deposit. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 2 no.5:21-25
'60. (MIRA 13:9)

(Karakichi--Coal)

ZONIS, S.A.; LEBEDEVA, V.M.

Kinetics of the oxidation of alpha-glycols by manganese
triacetate. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 2
no.5:85-92 '60. (MIRA 13:9)
(Glycols) (Manganese acetate) (Oxidation)

ZONIS, S.A.; LEBEDEVA, V.M.

Kinetics of the oxidation of alpha-keto alcohols by manganese triacetate. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 2 no.5:95-97 '60. (MIRA 13:9)
(Alcohols) (Manganese acetate) (Oxidation)

ZONIS, S.A.; LEBEDEVA, V.M.

Manganese tetraacetate as an oxidizer of organic compounds;
kinetics of the oxidation reaction of secondary α -keto alcohols.
Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 3 no.2:51-56 '61.

(MIRA 16:7)

(Ketols) (Manganese acetate) (Oxidation)

LEBEDEVA, V. M.; ZONIS, S. A.

Manganese tetraacetoacetate as oxidizer of organic compounds.

Izv.AN Kir.SSSR,Ser.est.i tekhn.nauk 4 no. 6:83-92 '62.

(MIRA 17:5)

Transaltion from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 132 (USSR) SOV/124-58-11-12814

AUTHOR: Lebedeva, V.N.

TITLE: Convection Along Fronts and in Cyclonic Areas (Konvektsiya na frontakh i v tsiklonicheskikh oblastyakh)

PERIODICAL: Tr. Tsentr. in-ta prognozov, 1955, Nr 38, pp 61-100

ABSTRACT: In order to analyze frontal convection, vertical temperature and moisture distribution curves were plotted for the moment of inception of convective currents, whereupon vertical displacements were calculated for the individual pressure changes experienced by particles which, at the initial moment, had been situated on the basic constant-pressure surfaces. When these displacements do not lead to condensation, then the frontal convection process is considered to be similar to thermal convection within an air mass, but with the difference that the circulatory circumstances on a front afford more favorable conditions for its development than those obtaining within a homogeneous air mass. If, however, individual particle displacements do result in condensation, then the quantity of steady precipitation can be calculated from their total amount which forms

Card 1/3

Convection Along Fronts and in Cycloic Areas

SOV/124-58-11-12814

as a result of their orderly ascending motion. The calculation of the convection parameters in a frontal zone is complicated by the necessity for a more detailed analysis; however, even in that case it is at times possible to carry it through to the numerical determination of the amount of showery precipitation without becoming involved in an evaluation of the difference between the amount of total precipitation and that of the steady precipitation. In some cases horizontal transport, orderly vertical currents, and diurnal heating do not lead to the formation of convective instability, and in that case a determining factor in its development appears to be the vertical motion caused by frontal friction. The development of frontal convection is examined on examples of a cold front and on a growing cyclone. It is established that in a frontal zone showery precipitation, characteristic of convection, falls predominantly during the second half of the day over a fairly wide band after the temperature peak is reached. In the growing cyclone and along the fronts therein instability relative to saturated air forms essentially as a result of horizontal transport, while the possibility of moist-adiabatic convection is attributable to vertical motions due to the nonstationary nature of the circulation and frictional phenomena. Simultaneous showery and steady precipitation occurs here. A convectively-unstable layer is formed as a result of orderly vertical movements sometime after their inception at a height of 1.5 km and above with a thickness from

Card 2/3

SOV/124-58-11-12814

Convection Along Fronts and in Cyclonic Areas

100-200 m to 1-2 km. The inception of convection is timed beginning at the moment when as a result of the vertical movement the possibility of saturated-adiabatic convection arises from any generic level; the cessation of convective activity coincides approximately with the moment of cessation of showery precipitation. The convection results in a modification of the vertical distribution curves. The intensity of that modification increases with increasing speeds of the convective currents (i. e. , the area of the positive instability energy on the emagram) and with increasing thickness of the convectively-unstable layer. Cold advection (especially aloft) can result in a renewal of the instability and convection; this explains the fluctuation of showery precipitation and its alternation with steady precipitation.

I. M. Sheynis

Card 3/3

LEBEDEVA, V.N.; POPEREKA, M.Ya.

Internal stresses of antimony electrodeposited from a chloro-antimonate electrolyte. Elektrokimiia 1 no.6:723-726 Je '65. (MIRA 18:7)

1. Novosibirskiy gosudarstvennyy pedagogicheskiy institut.

L 27211-66 EWP(1)/EWT(m) RM

ACC NR: AP6011584

SOURCE CODE: UR/0051/66/020/003/0541/0541

AUTHORS: Distler, G. I.; Kotov, A. V.; Kortukova, Ye. I.; Lebedeva, V. N.

ORG: none

TITLE: New infrared polarization textures

SOURCE: Optika i spektroskopiya, v. 20, no. 3, 1966, 541

TOPIC TAGS: light polarization, polarization filter, ir optic system, ir spectroscopy

ABSTRACT: This is a continuation of earlier work (Opt. i spektr. v. 5, 219, 1958 and v. 4, 419, 1958) done at the Institute of Crystallography AN SSSR on the creation of optical textures that polarize infrared radiation. The present note describes new optical textures (PTI-3) which polarize radiation up to 6.5μ . The textures have sufficiently high transparency and high degree of polarization. A plot of the polarization curves and a table listing the transmission and degree of polarization for different wavelengths are presented. The table shown of the spectral transmission of the textures reaches 40% and their degree of polarization is close to 100%. The samples have absorption bands at

Card

1/2

UDC: 535.5-15

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ACC NR: AP6011584

3, 3.4, and 5.8 μ , due respectively to the vibrations of the hydroxyl, methylene, and carbonyl groups of the polyvinyl alcohol binding medium. The textures can endure temperatures to at least 100C for a long time without noticeable change in the optical characteristics. They should find application in the infrared spectroscopy and in optical instrument building. Orig. art. has: 1 figure and 1 table.

SUB CODE: 20 SUBM DATE: 07Aug65 ORIG REF: 002

Card

2/2 CC

SYROVATKO, F.A., prof., red.; LEBEDEVA, V.P., otv. red.; GUREVICH, L.A., red.

[Problems of present-day obstetrics and gynecology] Aktual'nye
voprosy akusherstva i ginekologii. Moskva, 1957. 358 p.
(MIRA 11:11)

1. Moscow. Tsentral'nyy institut usovershenstvovaniya vrachey.
(OBSTETRICS)
(GYNECOLOGY)

LEBEDEVA, V.P.
LEBEDEVA, V.P. (Moskva)

Advanced training for physicians in the U.S.S.R.; on the 40th
anniversary of the October Revolution. Klin.med. 35 no.12:3-7
D '57. (MIRA 11:2)

(EDUCATION, MEDICAL
in Russia (Rus))

VEBER, L.G., dotsent; LEBEDEVA, V.P., otv.red.

[Planning, and forms and methods of work of a sanitary and
epidemiological station; lectures 5 and 6] Planirovanie,
formy i metody raboty sanitarno-epidemiologicheskoi stantsii;
lektsii V-VI. 1958. 49 p. (MIRA 13:3)
(PUBLIC HEALTH)

CHERNOV, A.Z., prof., red.; LEBEDEVA, V.P., otv.red.; CHERNOV, A.Z.,
red.

[Angina pectoris and myocardial infarct] Grudnaia zhaba i
infarkt miokarda. Pod red. A.Z.Chernova. Moskva, 1959. 261 p.
(MIRA 13:6)

1. Moscow. TSentral'nyy institut usovershenstvovaniya vrachey.
(ANGINA PECTORIS) (HEART--INFARCTION)

LEBEDEVA, V.P.

Partial acetylation of cellulose-fiber fabrics. Nauch.-issl.trudy
IvNITI 26:145-157 '63. (MIRA 18:4)

LEBEDEVA, V.P.

Separation of ammonia from gas mixtures. K. A. Polya-
kov, O. V. Rumyantseva, O. S. Oreshkov, V. P. Lebedeva
and V. L. Nuzumova. U.S.S.R. 165,384, Apr. 29, 1968.
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TITLE: A method for producing polyvinyl chloride foam. Class 39, No. 173403

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 80

TOPIC TAGS: polyvinyl chloride, foam plastic

ABSTRACT: This Author's Certificate introduces a method for producing polyvinyl chloride foam by mixing polyvinyl chloride resin with a plasticizer and additives and then saturating the resultant mass with inert gas under pressure and heating it in a high-frequency current field. The processing is made independent of the moisture-content of the resin by vacuum evaporation treatment of the plastic mass before saturation with the inert gas.

ASSOCIATION: Vladimirekiy nauchno-issledovatel'skiy institut sinteticheskikh smol (Vladimir Scientific Research Institute of Synthetic Resins)

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